



TENNESSEE BUREAU OF INVESTIGATION

Forensic Services Division

Evidence Receiving Quality Assurance Manual Appendix S: Hood Face Velocity Determination

HOOD FACE VELOCITY DETERMINATION

DATE: _____

UNIT: _____

LABORATORY LOCATION: _____

REGIONAL SUPERVISOR: _____

AVERAGE FACE VELOCITY: _____

Pass _____

*No Pass _____

**If No Pass is checked then contact Facility Management for Service*

PROCEDURE: The average face velocity shall be determined using a Vaneometer or other equivalent measuring device (with the sash level set to about 18 inches or to a level low enough to protect the face of the user. If the sash is set at a level where the users face is unprotected then he/she is to wear a face shield for protection.

1. Take the average of six (6) readings.
2. The readings should be taken at the *center of six equal sections*, three (3) across the top and three (3) across the bottom.
3. Average the values and record.
4. The reading should average between 60 – 150 ft/min. (TOSHA Standard), depending on designed use, when the sash is in the full operation position.
5. The hood face velocity reading should not be greater than 150 ft/min at any sash opening.

RECORD EACH MEASUREMENT:

1. _____

4. _____

2. _____

5. _____

3. _____

6. _____

Calculate the Average Hood Face Velocity: _____

**Please complete the information below if service is needed for the hood.*

Date Facility Management Contacted: _____ Individual Contacted: _____
Service Complaint: _____
Date Service Completed: _____
Date Hood Re-certified: _____ By Whom: _____ Results: Pass _____ No Pass _____

Accepted: _____ Date: _____
Crime Laboratory Regional Supervisor / Unit Supervisor